

TC 10138-18

DRAFT FIGURES TO ACCOMPANY

SALTON SEA RESTORATION PROJECT ENVIRONMENTAL IMPACT STATEMENT/ ENVIRONMENTAL IMPACT REPORT



January 2000

Prepared for:

Salton Sea Authority
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and

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Prepared by:

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Salton Sea Area

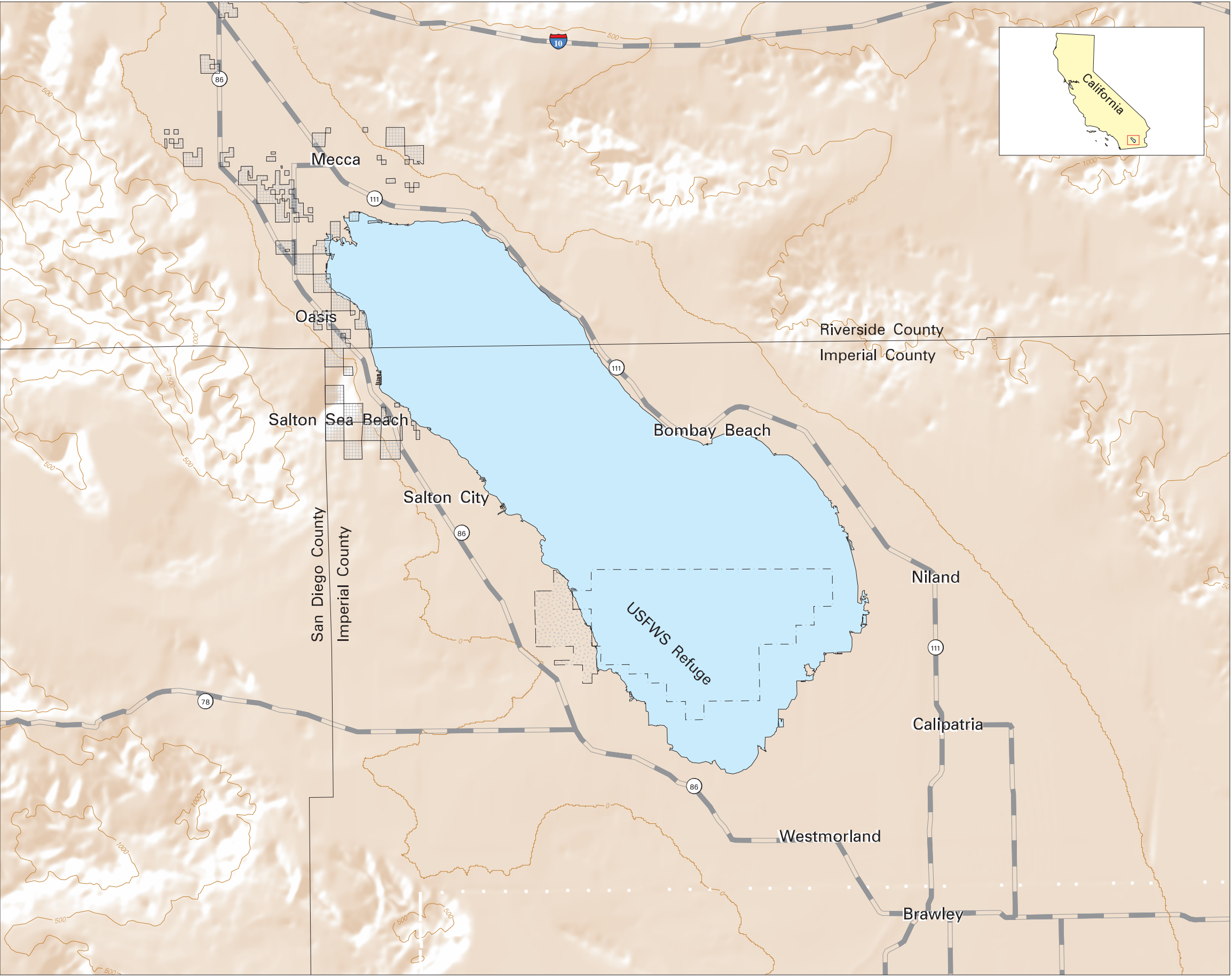
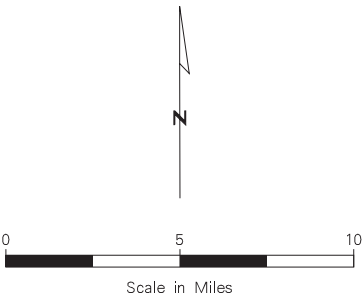
Salton Sea, California

Figure 2.1-1

Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:



Possible Shorelines With No Action Alternative

Salton Sea, California

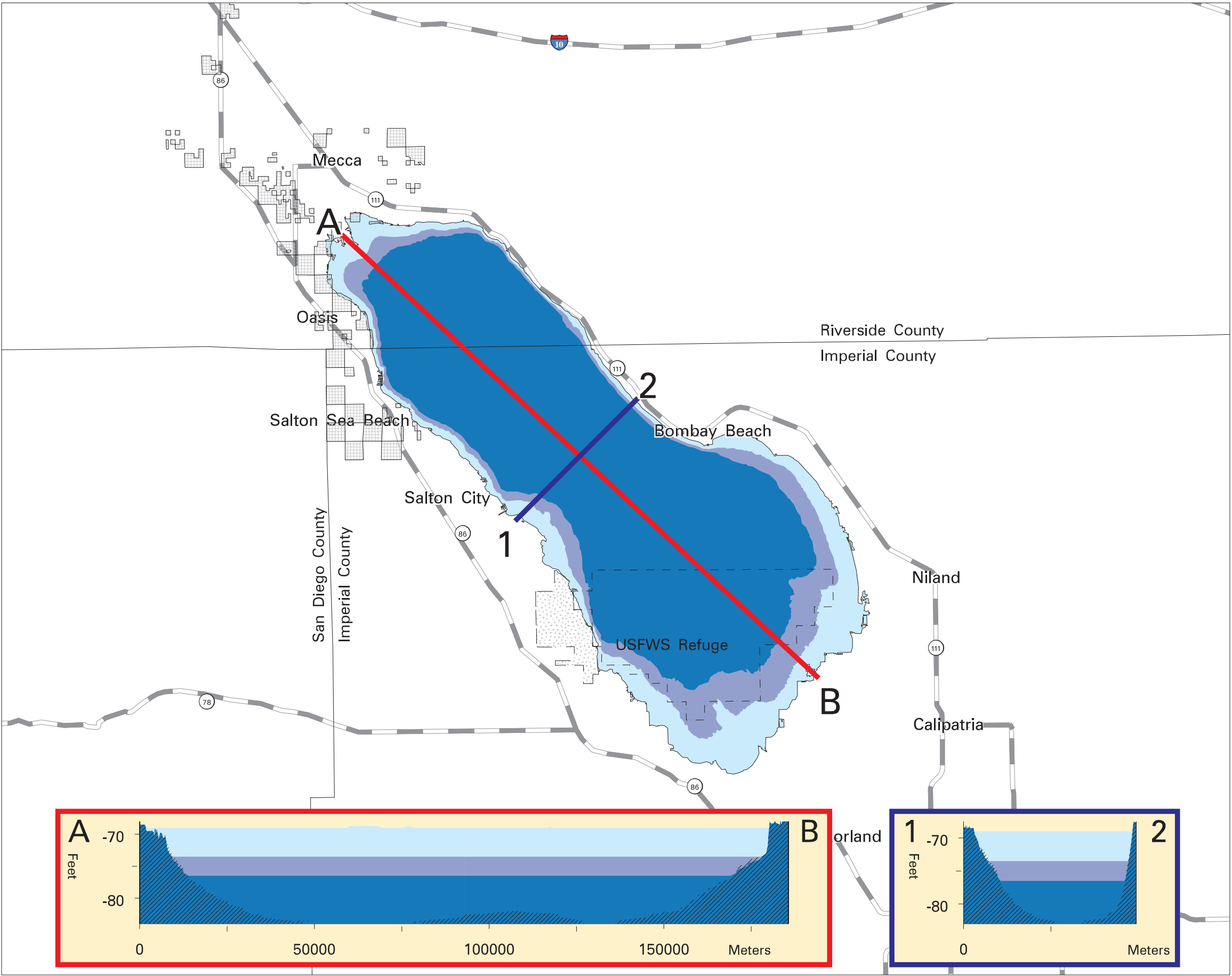
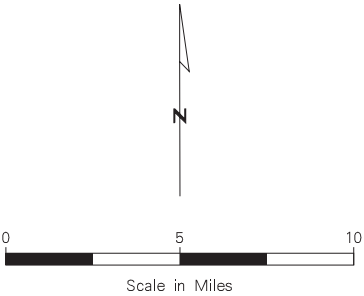
Figure 2.4-1

Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Lakeshore at -242 Feet Below Mean Sea Level
- Lakeshore at -251 Feet Below Mean Sea Level
- Indian Lands
- Test Base

Explanation:

If inflow is reduced to 1.046 million acre ft (maf) from current 1.346 maf inflow, water level would drop to -242 ft below sea level, exposing 56,827 acres. If inflow is reduced to 0.846 maf, elevation would drop to -251 ft, exposing 88,164 acres.



Evaporation Ponds Used in Alternatives 1 and 4

Salton Sea, California

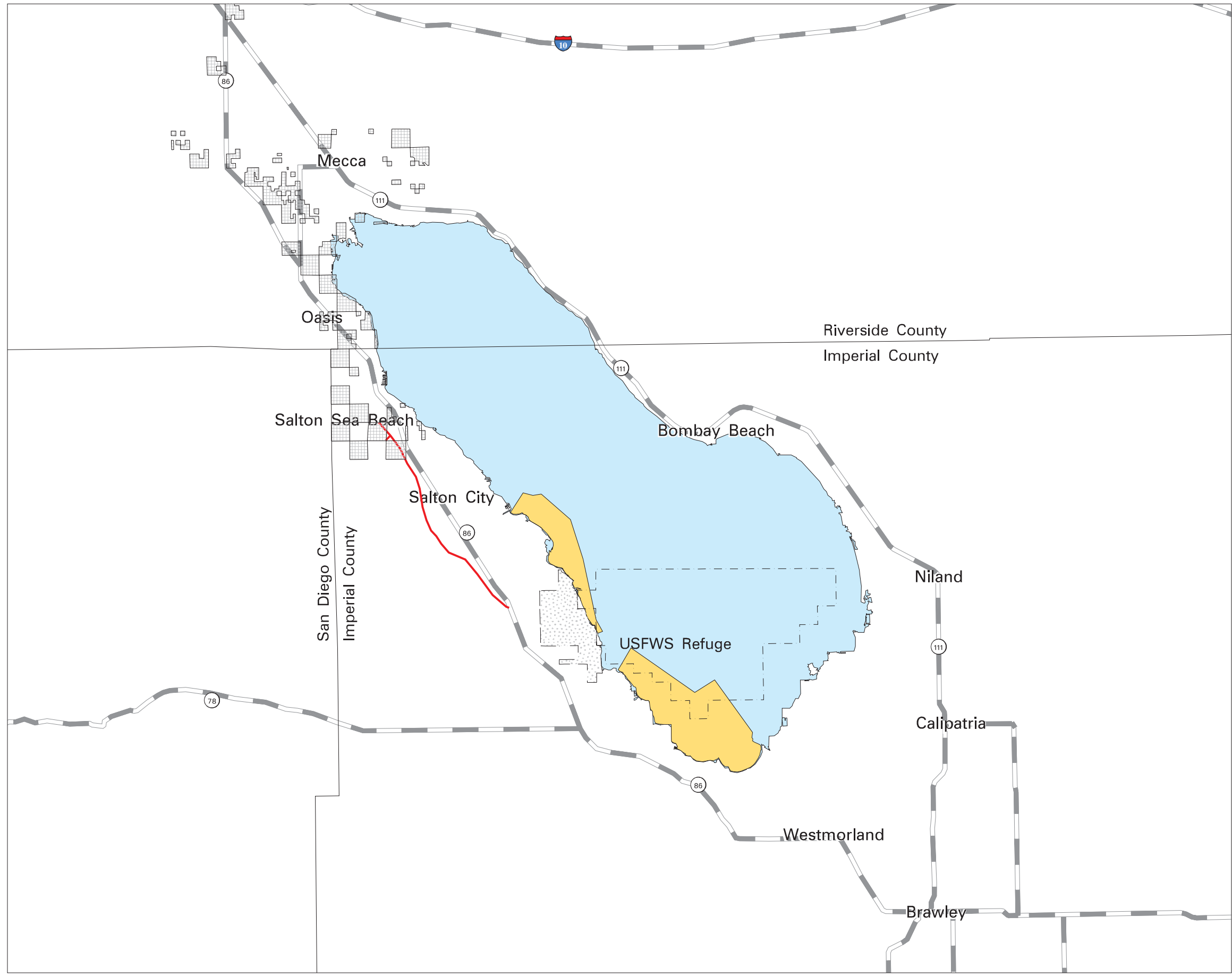
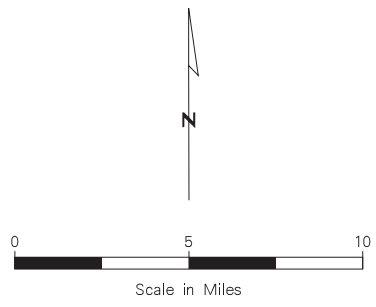
Figure 2.5-4

Legend:

-  Highways
-  Lakeshore at -227 Feet Mean Sea Level
-  Proposed Sites for Evaporation Ponds
-  Haul Road
-  Indian Lands
-  Test Base

Explanation:

Ponds would be constructed adjacent to the Salton Sea Test Base Site.
Source: Bureau of Reclamation



EES Facilities

Salton Sea, California

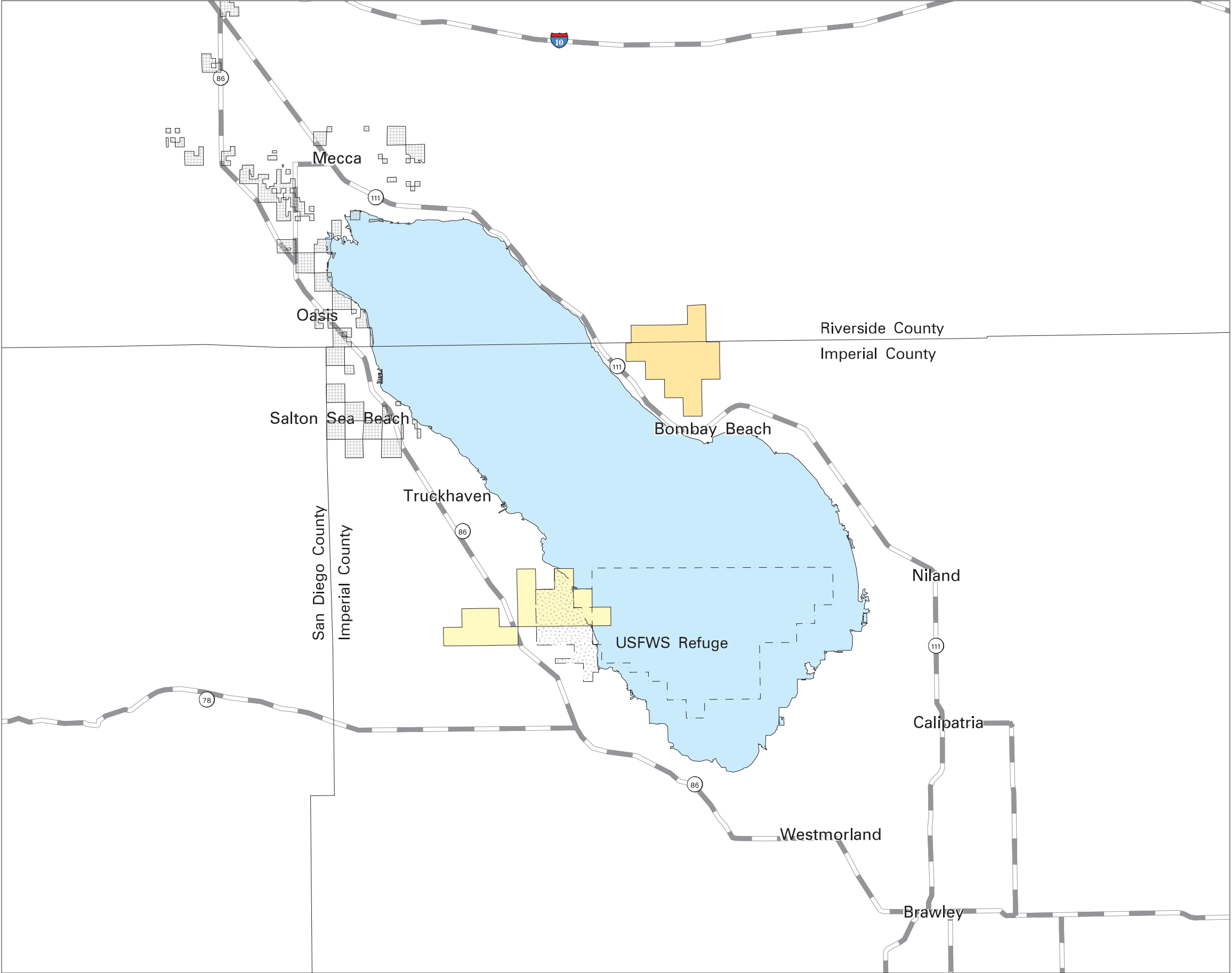
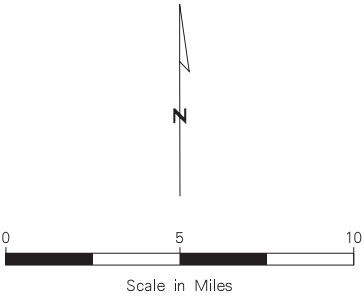
Figure 2.5-8

Legend:

- Highways
- Lakeshore at -227 Feet Below Sea Level
- EES Location Used for Alternatives 3 and 4
- EES Locations Used for Alternative 2 and 5
- Indian Lands
- Test Base

Explanation:

Proposed locations for EES sites near the Salton Sea Test Base and Bombay Beach. Map based on Bureau of Land Management proposed engineering alternatives for Salton Sea restoration efforts.



Salton Sea, California

Legend:

- Explanation:

Existing Public Boat Docks

Salton Sea, California

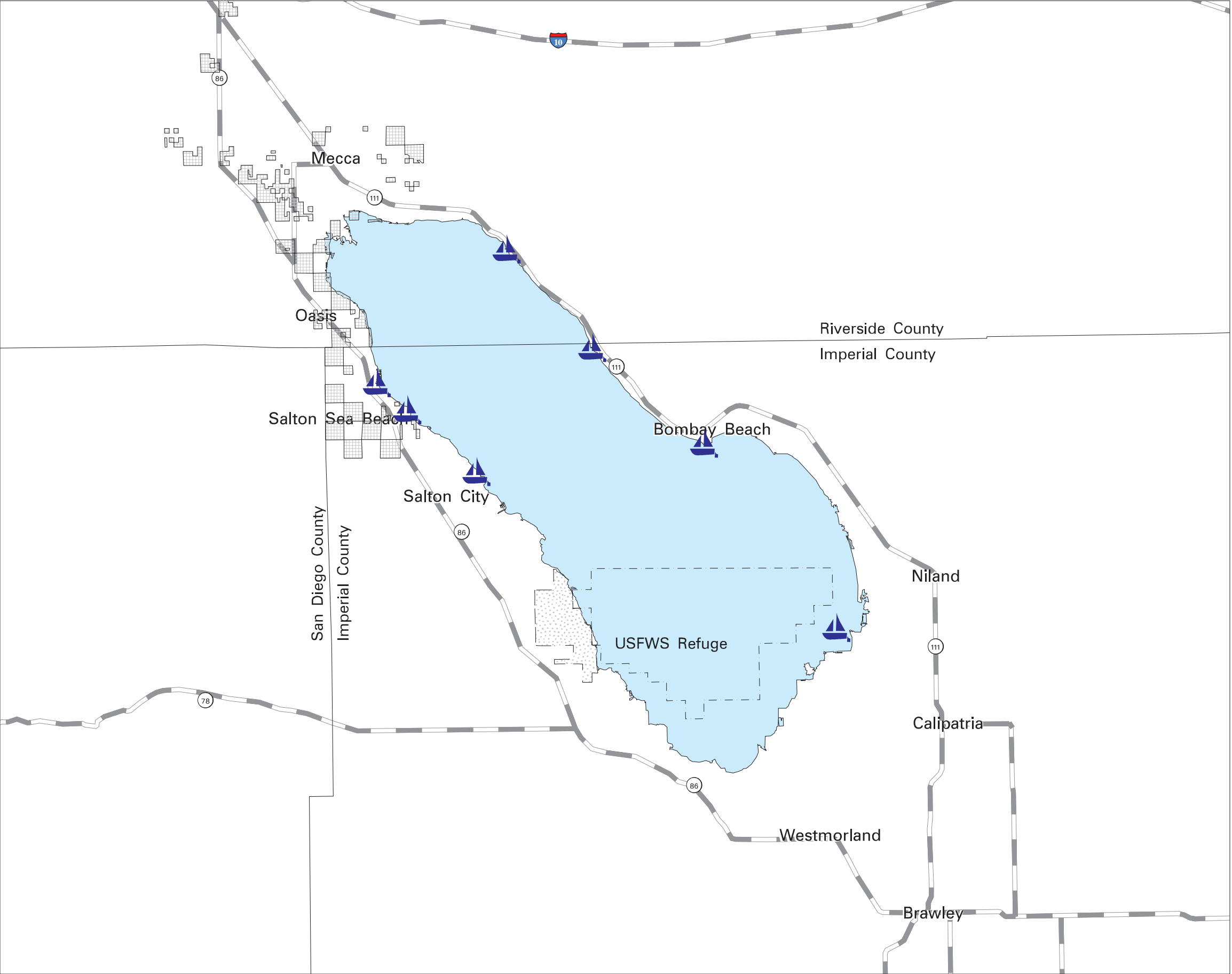
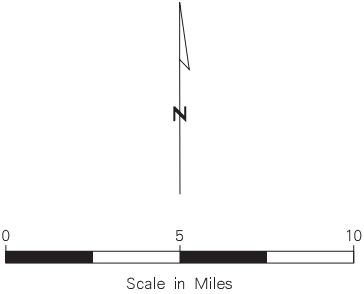
Figure 2.6-2

Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Boat Launches
- Indian Lands
- Test Base

Explanation:

Boat launch locations along the Salton Sea shoreline. Map based on data from the Stephen P. Teale Data Center.



Watershed Boundary

Salton Sea, California

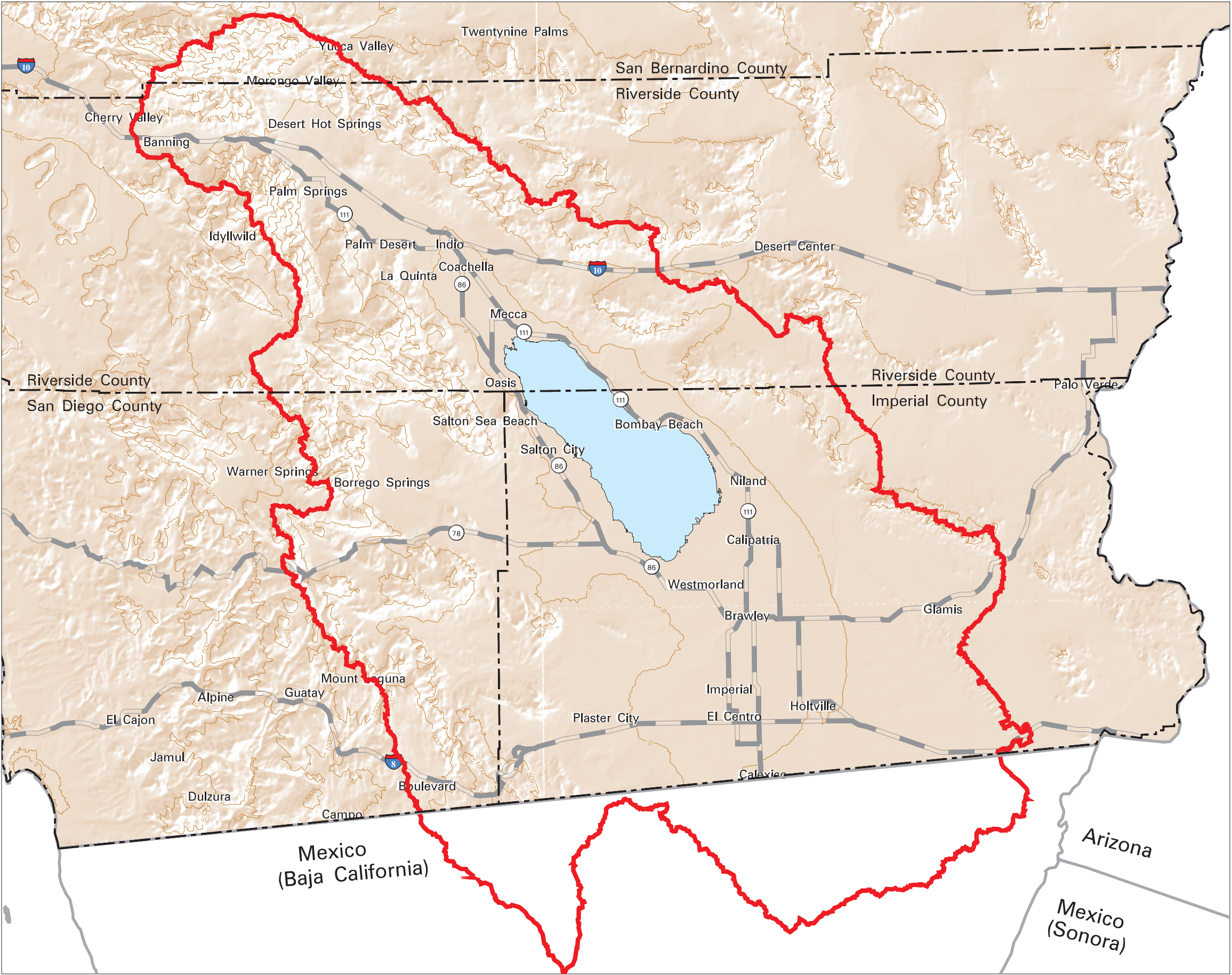
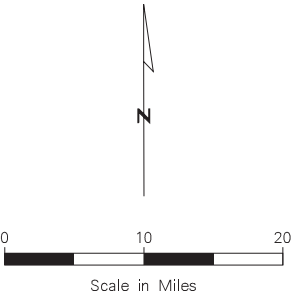
Figure 3.1-1

Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Highways
- Watershed Boundary

Explanation:

This map displays the Salton Sea watershed study area generated from drainage models developed from a 90-meter DEM. Source: Salton Sea Database Program.



Ground Water Basins

Salton Sea, California

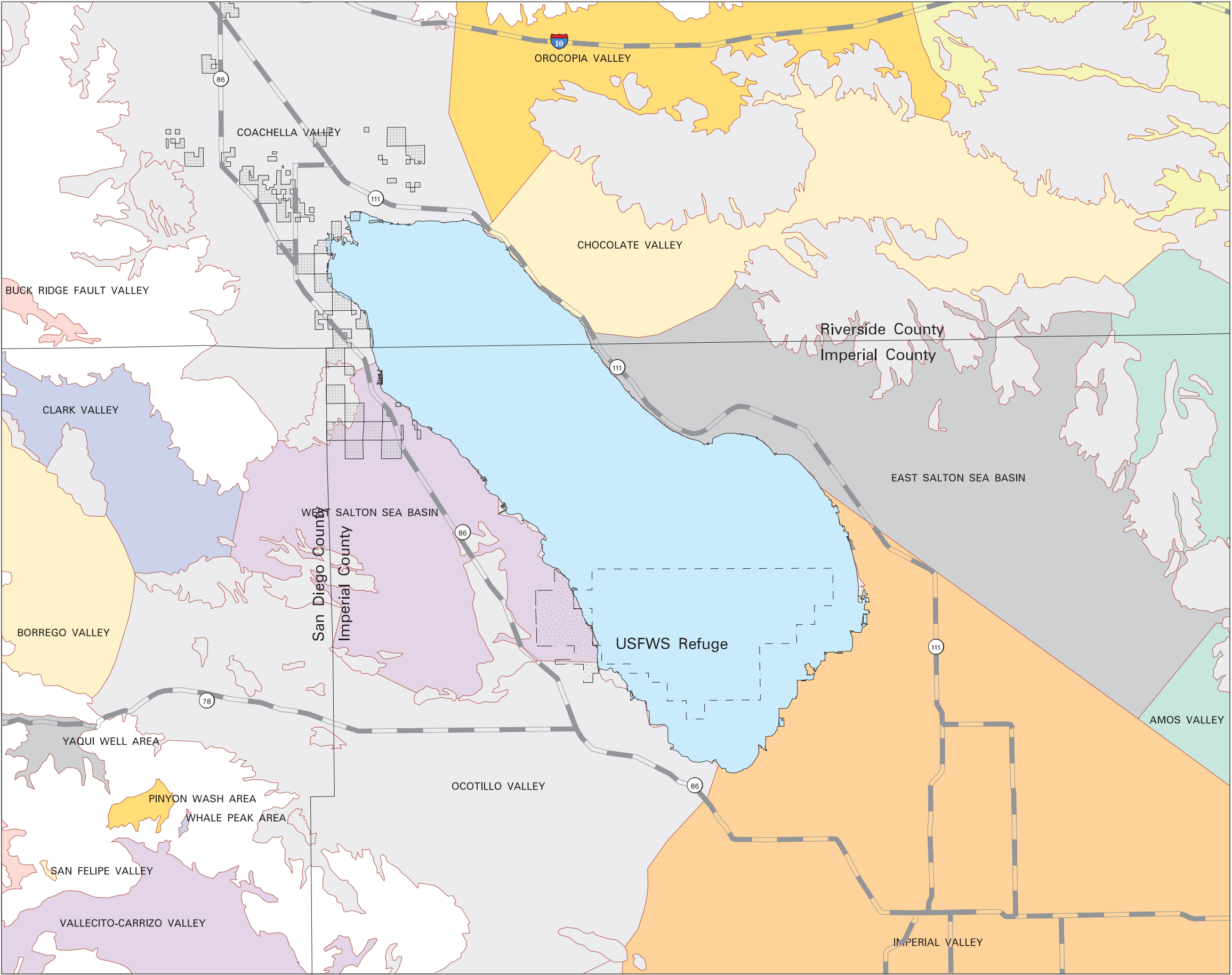
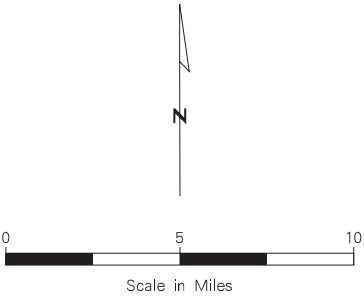
Figure 3.2-1

Legend:

- Lakeshore at -227 Feet
- Mean Sea Level
- Indian Lands
- Test Base
- Highways

Explanation:

Groundwater basin data is provided by the Teale Data Center. Groundwater basins are determined by California Department of Water Resources classifications.



Fault Map

Salton Sea, California

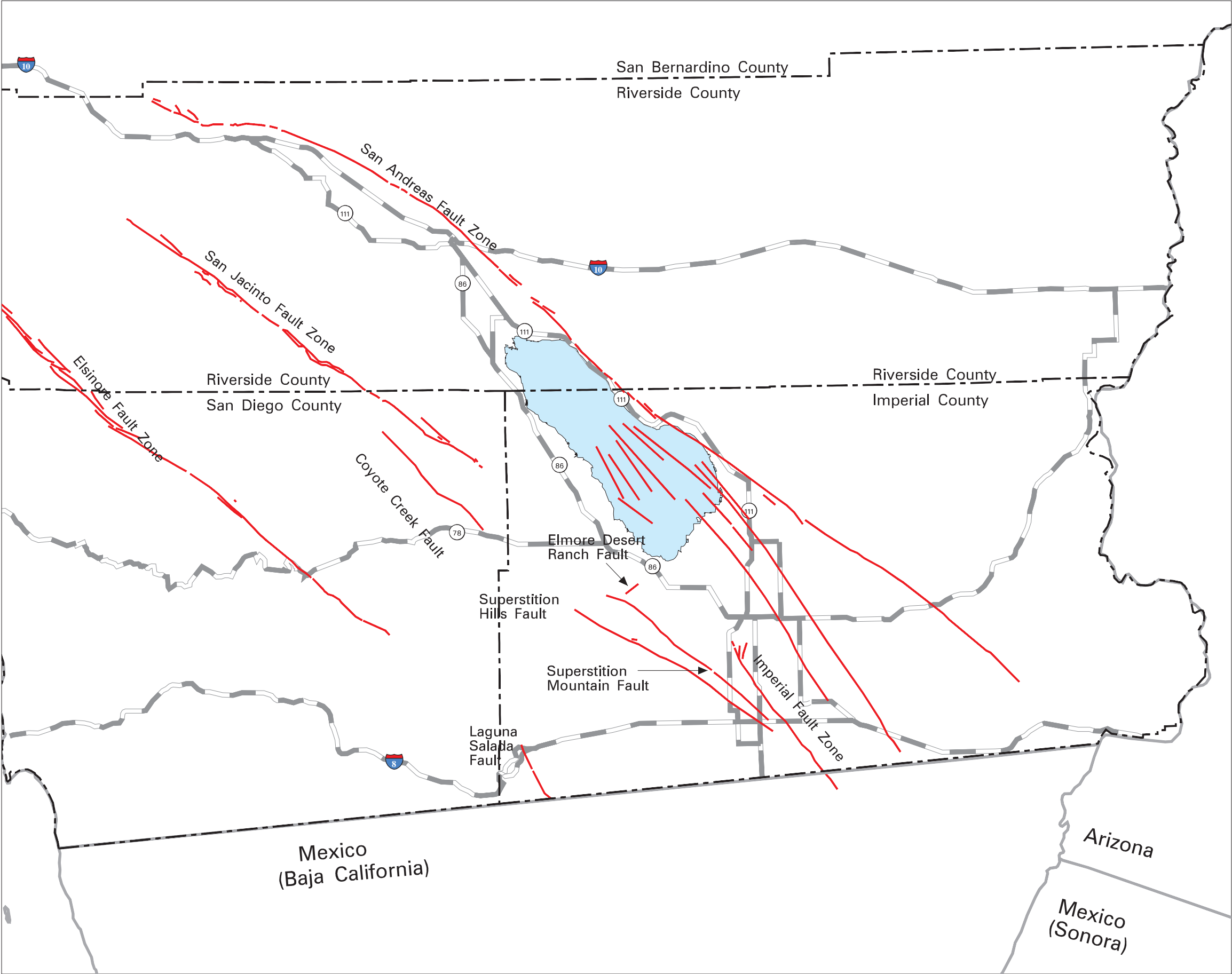
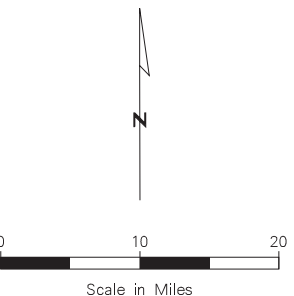
Figure 3.3-1

Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Highways
- Faults

Explanation:

This data provides a regional overview of fault zones located in the Salton Sea region. Map based on United States Geological Survey data.



Salton Sea, California










Legend:

- Explanation:

Federal Air Quality Nonattainment Designations

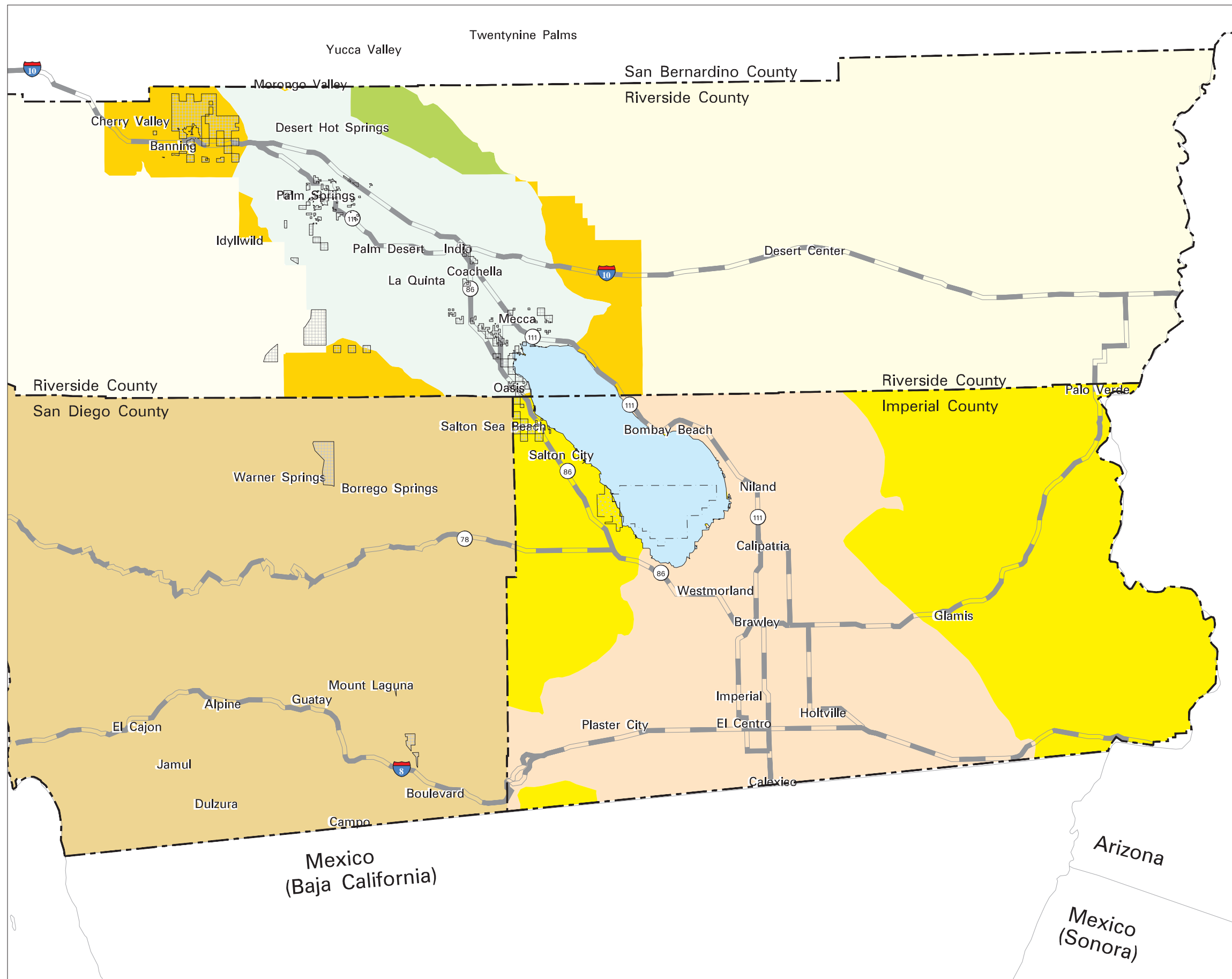
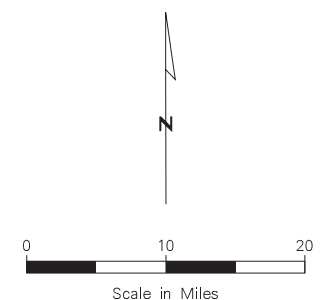
Salton Sea, California
Figure 3.4-1

Legend:

-  South Coast Air Basin, Riverside County. Extreme ozone nonattainment, serious CO nonattainment, NO2 nonattainment, & serious PM10 nonattainment.
-  Air Quality Management Area, Riverside County. Severe ozone nonattainment.
-  Air Quality Management Area & Coachella Valley Planning Area, Riverside County. Severe ozone nonattainment & serious PM10 nonattainment.
-  Coachella Valley Planning Area, Riverside County. Serious PM10 nonattainment.
-  Remainder of Riverside County. Attainment for all Federal standards.
-  Imperial Valley Planning Area, Imperial County. Moderate PM10 nonattainment.
-  Imperial County. Transitional ozone nonattainment.
-  San Diego County. Serious ozone nonattainment.
-  Lakeshore at -227 Feet Mean Sea Level
-  Highways

Explanation:

Federal ozone & PM10 nonattainment designations affect most of the Salton Sea Basin. Nonattainment designations are made separately for ozone and PM10 which have different severity designations in different portions of counties.



Vegetation & Habitat

Salton Sea, California

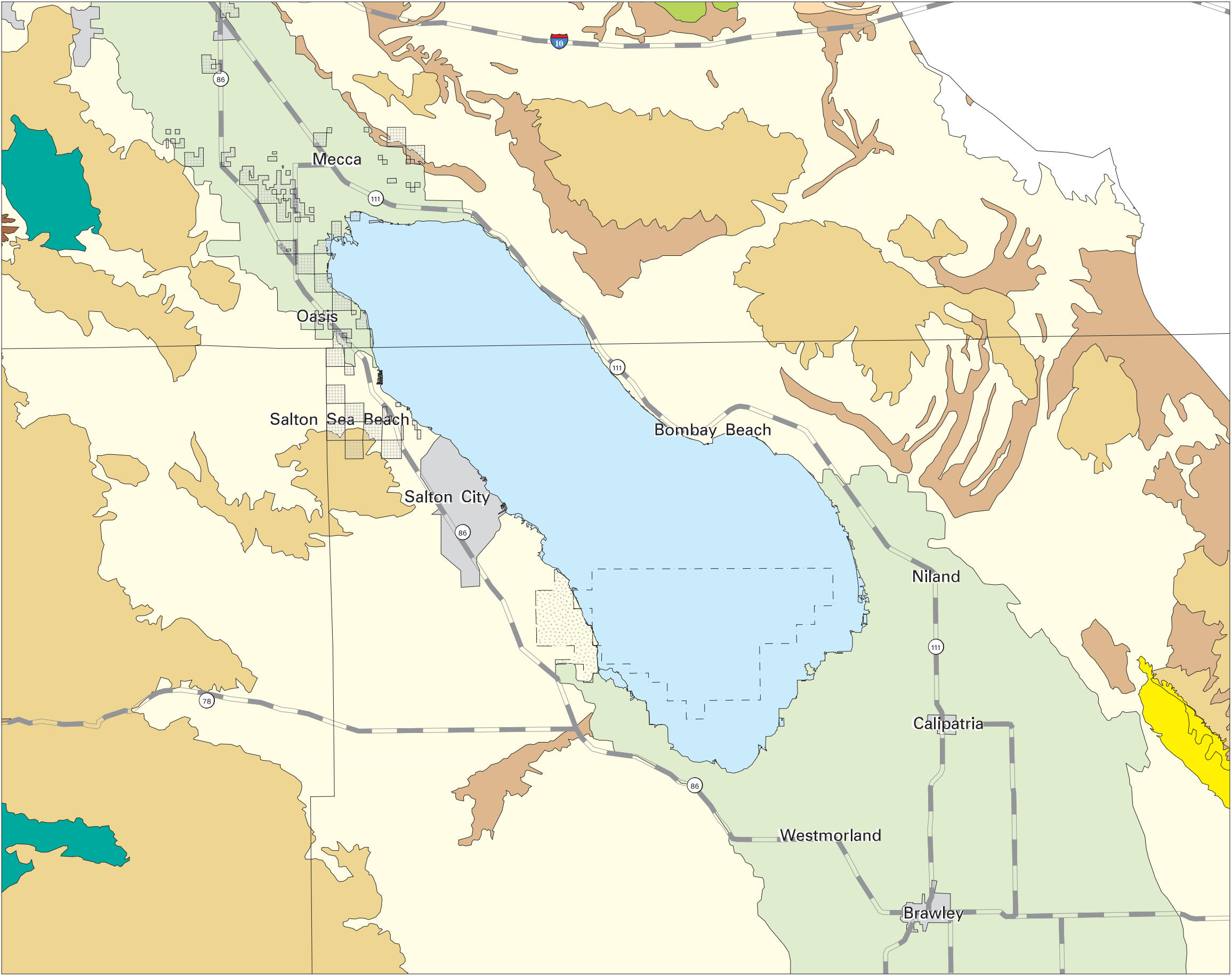
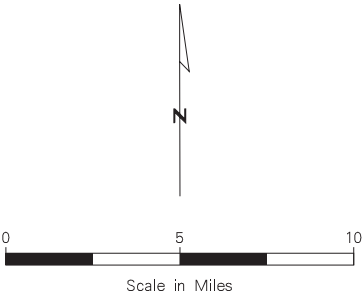
Figure 3.8-1

Legend:

- Agriculture
- Mojave Mixed Woody Scrub
- Pinyon Juniper Woodland
- Unknown
- Creosote Bush Scrub
- Alkali Playa Communities
- Sonoran Desert Mixed Scrub
- Desert Dry Wash Woodland
- Mixed Chaparral Scrub Communities
- Urban
- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

The map represents vegetation in the Salton Sea watershed. The data was distributed by California Gap Analysis Project and the University of California, Santa Barbara.



Wetlands Vegetation

Salton Sea, California

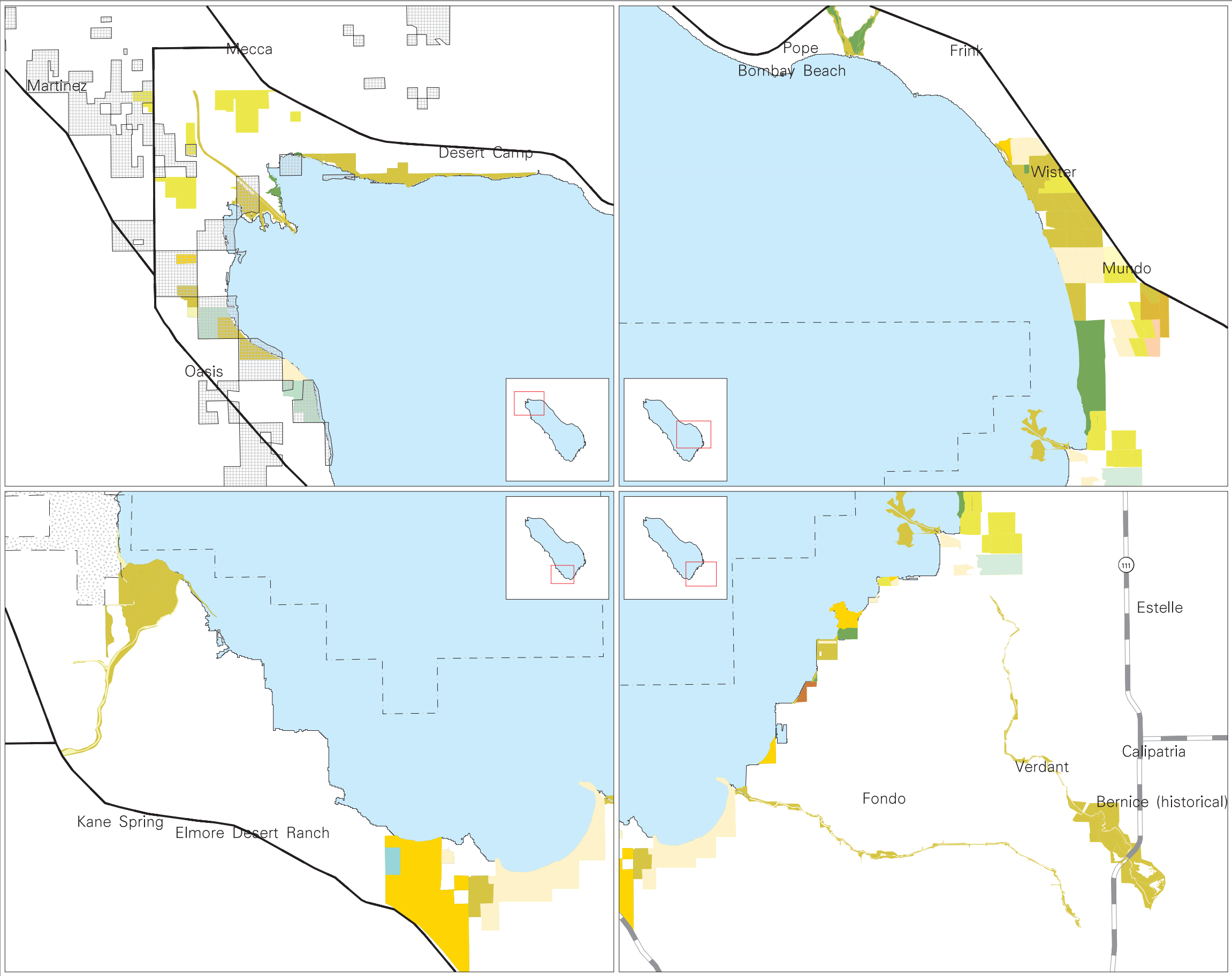
Figure 3.8-2

Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Iodine Bush
- Safflower
- Mixed Halophytic Species
- Barley
- Common Reed
- Adjacent Wetland
- Mesquite
- Bulrush
- Sea-blite
- Tamarisk
- Broad-leaf Cattail
- Managed Wetland
- Mudflats
- Indian Lands
- Test Base
- Highways

Explanation:

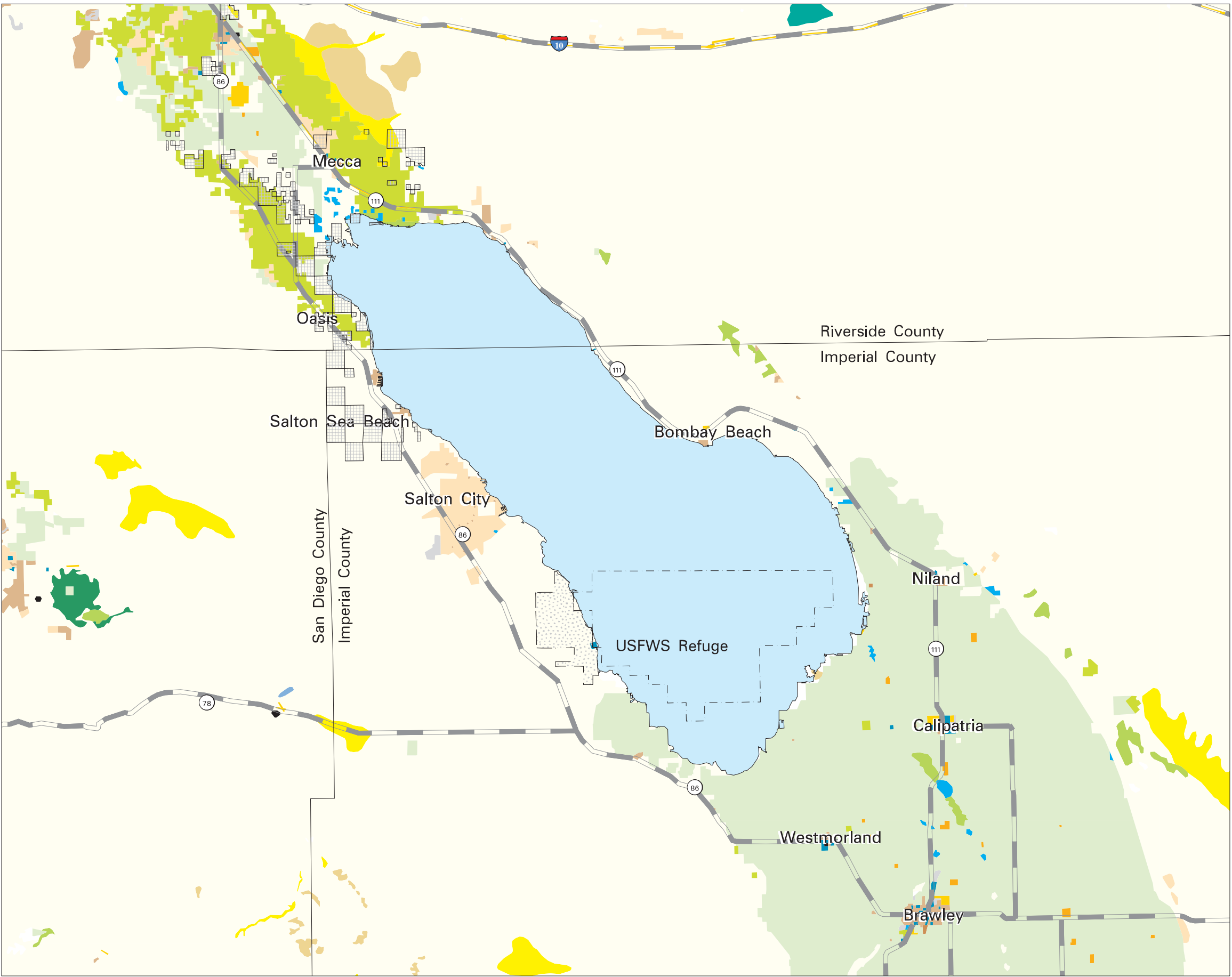
A combined vegetation and wetlands coverage has been produced utilizing digital orthophotograph quarter-quadrangles.



Land Use

Salton Sea, California

Figure 3.10-1

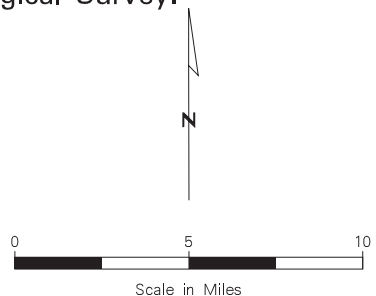


Legend:

- Bare Exposed Rock
- Commercial and Services
- Confined Feeding Operations
- Nonforested Wetlands
- Dry Salt Flats
- Industrial
- Mixed Forest Land
- Mixed Rangeland
- Mixed Urban or Built Up Land
- Other Urban or Built Up Land
- Reservoirs
- Residential
- Sandy Areas (not beaches)
- Shrub and Brush Rangeland
- Transitional Areas
- Transportation, Communication, or Utilities
- Cropland and Pasture
- Orchards, Groves, Vineyards, or Nuseries
- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

Land use areas are determined by Anderson Land Classifications. Data was provided by the United States Geological Survey.



Farmland

Salton Sea, California

Figure 3.11-1

Legend:

- Area Not Mapped
- Farmland of Local Importance
- Farmland of Statewide Importance
- Prime Farmland
- Unique farmland
- Urban & Built Up Land
- Water
- Other Land
- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

Farmland data was created by the California Division of the Land Resource Protection Agency. Additional modifications, Tetra Tech 1999.

